



The Energy Story

Introduction

Energy is one of the most fundamental parts of our universe.

We use energy to do work. Energy lights our cities. Energy powers our vehicles, trains, planes and rockets. Energy warms our homes, cooks our food, plays our music, gives us pictures on television. Energy powers machinery in factories.

Energy is defined as "the ability to do work."

When we eat, our bodies transform the food into energy to do work. When we run or walk, we "burn" food energy in our bodies. When we think or read or write, we are also doing work.

Cars, planes, trollies, boats and machinery also transform energy into work.

Work means moving something, lifting something, warming something, lighting something. All these are a few of the various types of work. But where does energy come from?

There are many sources of energy. In this guide, we will be looking at the energy that makes our world work. Energy is an important part of our daily lives.

The forms of energy we will look at include:

- Geothermal Energy
- Fossil Fuels -- Coal, Oil and Natural Gas
- Hydro Power and Ocean Energy
- Nuclear Energy
- Solar Energy
- Wind Energy

We will also look at turbines and generators, at what electricity is, how energy is sent to users, and how we can decrease the energy we use.



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